

SEQUENCE LISTING

<110> Sode, Koji
<120> Fructosylamine Oxidase
<140> PCT/JP2004/003587
<150> JP 2003-116348
<151> 2003-03-17
<160> 15
<170> PatentIn version 3.1
<210> 1
<211> 427
<212> PRT
<213> Pichia sp.
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35 40 45
Ile Phe His Tyr Asp Tyr Val Ala Pro Leu Ala Lys Pro Asn Ser Lys
50 55 60
Glu Arg Leu Ser Leu Glu Ala Leu His Leu Trp Lys Thr Asp Pro Val
65 70 75 80
Tyr Lys Pro Tyr Tyr His Pro Val Gly Phe Ile Leu Ala Ala Ser Ser
85 90 95
Asp Ala Pro Leu Leu His Asp Lys Glu Tyr Tyr Glu Glu Leu Gln Lys
100 105 110
Asn Gly Leu Arg Asn Tyr Arg Tyr Ile Ser Thr Pro Glu Glu Phe Arg
115 120 125
Glu Tyr Leu Pro Ile Leu Lys Gly Pro Leu Pro Asn Trp Arg Gly Tyr

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Val	Leu	Asp	Gly
Asp	Asn	Gly	Trp
Leu	His	Ala	Arg
Asp	Ser	Leu	Lys
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Ser	Ala	Tyr	Glu
Glu	Cys	Lys	Arg
Leu	Gly	Val	Glu
Phe	Val	Phe	Gly
165	170	175	
Asp	Asp	Gly	Glu
Ile	Val	Glu	Leu
Leu	Asn	Glu	Asn
Gly	Lys	Leu	Thr
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Gly	Ile	Arg	Ala
Arg	Ser	Gly	Ala
Ile	Phe	Ser	Ala
Gln	Lys	Tyr	Val
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Leu	Ser	Ser	Gly
Ala	Asn	Ala	Val
Thr	Leu	Leu	Asn
Phe	Gln	Arg	Gln
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Leu	Glu	Gly	Lys
Cys	Phe	Thr	Leu
Ala	His	Phe	Lys
Val	Thr	Asp	Glu
225	230	235	240
Glu	Ala	Lys	Ala
Phe	Lys	Ser	Leu
Pro	Val	Leu	Phe
Asn	Ala	Glu	Lys
245	250	255	
Gly	Phe	Phe	Phe
Glu	Ala	Asp	Glu
Asn	Asn	Glu	Ile
Lys	Ile	Cys	Asn
260	265	270	
Glu	Tyr	Pro	Gly
Phe	Thr	His	Thr
Asn	Glu	Ser	Gly
Glu	Ser	Ile	Pro
275	280	285	
Leu	Tyr	Arg	Met
Glu	Ile	Pro	Leu
Glu	Ser	Ala	Leu
Glu	Ile	Arg	Gln
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Tyr	Leu	Lys	Glu
Thr	Met	Pro	Gln
Phe	Ala	Asp	Arg
Pro	Phe	Thr	Lys
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Thr	Arg	Ile	Cys
Trp	Cys	Thr	Asp
Ser	Pro	Asp	Met
Gln	Leu	Ile	Leu
325	330	335	
Cys	Thr	His	Pro
Glu	Tyr	Thr	Asn
Leu	Ile	Val	Ala
Ser	Gly	Asp	Ser
340	345	350	
Gly	Asn	Ser	Phe
Lys	Ile	Met	Pro
Ile	Ile	Gly	Lys
Tyr	Val	Ser	Lys
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Val	Val	Thr	Lys
Gly	Asp	Lys	Gly
Leu	Asp	Pro	Glu
Asp	Lys	Glu	Cys

370	375	380	
Trp Lys Trp Arg Pro Glu Thr Trp Asp Lys Arg Gly Gln Val Arg Trp			
385	390	395	400
Gly Gly Arg Tyr Arg Val Ala Asp Leu Asn Glu Ile Glu Glu Trp Val			
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<212> DNA

<213> Pichia sp.

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gctgctggaa acgacagtaa caagattttt cactacgatt atgttgctcc cctggctaaa	180
cccaattcaa aagaacggtt gagtctcgaa gcattacacc ttggaagac agatccggtg	240
tacaaaccgt actatcatcc ggtaggattt atcctggctg caagttccga tgctccatta	300
ctgcatgata aggaatacta tgaagagttg caaaaaaacg gacttcgcaa ttatcgttat	360
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gaagctaaag catttaaaag ctigccggtc cttttcaatg ccgaaaaagg gtttttttc	780
gaggctgatg aaaataacga aatcaaaatt tgcaacgagt accctggatt taccacaca	840
aatgaatccg gagagtctat ccactctac cggatggaga ttccactcga gtcagcactt	900
gaaattagac aatacttgaa agaaaccatg cctcagtttg ctgatagacc tttaccaag	960
acaagaattt gttggtgtac cgactctccc gacatgcaat tgatcttgtg tactcaccca	1020
gaatacacca accttattgt agcatcgggt gactctggaa attcgttcaa gatcatgcca	1080

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 gataaagaat gctggaaatg gcgtcctgag acttgggaca agcgggggca ggtccgctgg 1200
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Phe His Tyr Asp Tyr Val Ala Pro Leu Ala Lys Pro Asn Ser Lys Glu

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Arg

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<211> 27

<212> PRT

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<213> Pichia sp.

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<210> 7

<211> 13

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